

ENGINEERING CHANGE NOTICE

DART AEROSPACE LTD

Date: 15.03.24	Job No.:	ADR Yes/No: N	ADR Date:	ECN #: 15- 532
Product No.: D350-578		Created By: VS	Approved By: <i>[Signature]</i>	
Product Name: Bearpaws		Checked By: <i>[Signature]</i>		

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
Director of Operations	Y	NF	<i>AK 15/04/06</i>
Production Manager / Coord.	Y	LL/MF	<i>AK 15/03/27</i>
Purchasing Coord.	N	CL	
Production Engineering Coord.	Y	DD/JLM	<i>AK 15-03-27</i>
Production Engineering Coord.	N	DL	
Customer Order Processing	N	SL/BG	

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
DQA / QA Coord.	Y	PS/ED	<i>AK 15/03/27</i>
QC Coordinator	Y	PD	<i>AK 15-03-27</i>
Customer Support	Y	SW/LM	<i>AK 15-03-27</i>
Customer Technical Support	Y	MB/HS	<i>AK 15-03-27</i>
Marketing	N	KO/SL	
Sales Support Manager	N	CP	

Reason for Change:
Bearpaw cushions rotating under clamps, ref NCR14-3521, PAR14-331, PAR14-368

Documents Affected:
ICA-D350-578 Rev. 3, D350-578 Rev. H, D4011 Rev. C, D4012 Rev. C

IF APPLICABLE: NCR: 14-3521 PAR: 14-331/-368 CAR: CIR: URF: 15-532

PAPERWORK UPDATE ☒ PARTS MUST COMPLY ☒ PREVIOUS PARTS SATISFACTORY ☐

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Eurocopter France	N			
3	Notify Augusta Westland	N			
4	Manufacturing Licensing Agreement Update	N			

#	Engineering Actions	Reqd	Resp	Notes	Complete
5	Required Documents/Drawings/Item ID's Under Review (URF)	Y	VS	URF15-532	<i>AK 15.02.23 VS</i>
6	Update Master Document List (MDL)	Y	VS	MDL-D350-578 Rev. I, MDL-D206-582	<i>AK 15.03.12 VS</i>
7	Update Document Record (DR)	N			<i>AK 15.04.20 VS</i>
8	Update Product Compatibility Matrix	N			
9	Notify TC / FAA of Change (eg. ICA, 8110-3)	N			
10					

#	Document Control Actions	Reqd	Resp	Notes	Complete
11	Move / Update Electronic Files / Design Journal	Y	KJ		<i>AK 15.03.30 VS</i>
12	Update Product Specification Files (Bluefiles)	Y	KJ		<i>AK 15.03.26 VS</i>
13	Update Approved/Preliminary Dwg PDF Files	Y	KJ		<i>AK 15.03.26 VS</i>
14	Update Product Development Summary (STC applications)	N			
15	Update QSI 021 (TC/FAA STC) and/or STC Approval List	N			
16	Create/Update Parts / STC Database	Y	KJ		<i>AK 15.03.26 VS</i>
17	Update / Verify Airworthiness Release Certificate Database	Y	KJ	<i>#17 & 27</i>	<i>AK 15.03.26 VS</i>
18	Create / Update Change Record Form / Item Card Database	Y	KJ	<i>SEE BELOW</i>	<i>AK 15.04.20 VS</i>
19	Create / Update Packaging Process Plan (PPP)	Y	KJ		<i>AK 15.03.30 VS</i>
20	Red Decals required on Packaging Process Plan (PPP)?	N			<i>AK 15.03.30 VS</i>
21	Update Controlled Supplier Documents (Qpulse) Database	N			
22	Update Grey Project Binder / Electronic Project Folder	Y	KJ		<i>AK 15.03.26 VS</i>
23	Update D-Part / M-Drawing / DSI / DEO Master Binders	Y	KJ		<i>AK 15.03.26 VS</i>
24	Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's)	N			
25					

Description / Action:
 -Update D350-578 kits in stock per D350-578 Rev. H (new hardware)
 -Create routings for new D350-578-111/-113/-115/-117/-121 kits @ CHG001
 D350-578-011/-021 @ CHG006
 D350-578-013/-015/-017 @ CHG002
 D350-578-031 @ CHG003
 D407-559-113 @ CHG004, D407-559-115 @ CHG002, D519689-011 @ CHG002
 Add 15.04.20 *[Signature]*

ECN Verified & Complete: *[Signature]* Date: 15/4/6

Kim Johnston

From: David Shepherd
Sent: Monday, March 30, 2015 6:43 PM
To: Linda Lacelle; Victoria Seib
Cc: Jean-Luc Menard; Kim Johnston
Subject: RE: D350-578 (ECN 15-532)

JL,

I agree with Victoria that the -011/-013/-015/-017/-021/-031 kits need to go up a change number because the hardware (clamps/cushions/bolts) are all changing.

Regards,
David

From: Linda Lacelle
Sent: March-30-15 3:12 PM
To: Victoria Seib
Cc: Jean-Luc Menard; David Shepherd; Kim Johnston
Subject: Re: D350-578 (ECN 15-532)

I also need to know if the other kits i sent you today are affected pls

Sent from my iPhone

On Mar 30, 2015, at 5:10 PM, Victoria Seib <vseib@dartaero.com> wrote:

I believe you are correct JL, the old kits should go up a change and the new kits should be at chg 001.
Once David has a chance, he may be able to correct me if I am wrong.

Victoria

From: Jean-Luc Menard
Sent: Monday, March 30, 2015 11:29 AM
To: David Shepherd; Victoria Seib
Cc: Kim Johnston
Subject: D350-578 (ECN 15-532)

Hi David/Victoria,
The ecn mentions that the -111/-113/-115/-117/-121 will be at chg 001.
Will the other kits be going up a change #?(-011/-013/-015/-017/-021/-031).
Let me know
JL

Jean-Luc Ménard
Production Engineering Supervisor

ENGINEERING CHANGE NOTICE
DART AEROSPACE LTD

Date:	3/24/2015	Job No.:	ADR Yes/No:	N	ADR Date:	ECN #:	15- 532
Product No.:	D350-578		Created By:	VS	Approved By:		
Product Name:	Bearpaws		Checked By:				

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
Director of Operations	Y	NF	
Production Manager / Coord.	Y	LL/MF	
Purchasing Coord.	N	CL	
Production Engineering Coord.	Y	DD/JLM	
Production Engineering Coord.	N	DL	
Customer Order Processing	N	SL/BG	

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
DQA / QA Coord.	Y	PS/ED	
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Reason for Change:

Bearpaw cushions rotating under clamps, ref NCR14-3521, PAR14-331, PAR14-368

Documents Affected:

ICA-D350-578 Rev. 3, D350-578 Rev. H, D4011 Rev. C, D4012 Rev. C

REFERENCE ONLY

IF APPLICABLE: **NCR:** 14-3521 **PAR:** 14-331 **CAR:** **CIR:** **URF:** 15-532

PAPERWORK UPDATE

☒

PARTS MUST COMPLY

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PREVIOUS PARTS SATISFACTORY

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#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
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#	Engineering Actions	Reqd	Resp	Notes	Complete
5	Required Documents/Drawings/Item ID's Under Review (URF)	Y	VS	URF15-532	15.02.23
6	Update Master Document List (MDL)	Y	VS	MDL-D350-578 Rev. I, MDL-D206-582 Rev. R	15.03.12
7	Update Document Record (DR)	N			
8	Update Product Compatability Matrix	N			
9	Notify TC / FAA of Change (eg. ICA, 8110-3)	N			
10					

#	Document Control Actions	Reqd	Resp	Notes	Complete
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12	Update Product Specification Files (Bluefiles)	Y	KJ		
13	Update Approved/Preliminary Dwg PDF Files	Y	KJ		
14	Update Product Development Summary (STC applications)	N			
15	Update QSI 021 (TC/FAA STC) and/or STC Approval List	N			
16	Create/Update Parts / STC Database	Y	KJ		
17	Update / Verify Airworthiness Release Certificate Database	N			
18	Create / Update Change Record Form / Item Card Database	Y	KJ		
19	Create / Update Packaging Process Plan (PPP)	N			
20	Red Decals required on Packaging Process Plan (PPP)?	Y	KJ	New D350-111/-113/-115/-117/-121 kits	
21	Update Controlled Supplier Documents (Qpulse) Database	N			
22	Update Grey Project Binder / Electronic Project Folder	Y	KJ		
23	Update D-Part / M-Drawing / DSI / DEO Master Binders	Y	KJ		
24	Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's)	N			
25					

Description / Action:

-Update D350-578 kits in stock per D350-578 Rev. H (new hardware)
 -Create routings for new D350-578-111/-113/-115/-117/-121 kits @CHG 001
 -D350-578-011/-021 @CHG 006, D350-578-013/-015/-017 @ CHG 002, D350-578-031 @ CHG 003
 -D407-559-113 @ CHG 004, D407-559-115 @ CHG 002
 -DSI 9689-011 @ CHG 002

ECN Verified & Complete: _____ Date: _____

Kim Johnston

From: Lisa McMachen
Sent: Monday, April 20, 2015 12:32 PM
To: Kim Johnston
Cc: Sian Willems
Subject: FW: additional actions on ECN 15-532
Attachments: ECN 15-532.xls; 582-r.mdl.doc

Hey Kim,
As the attached ECN was updated to include D407-559-113, D407-559-115 & DSI 9689-011 and the change revisions. Will you redistribute this ECN to all?

Thanks,
Lisa McMachen

From: Victoria Seib
Sent: Monday, April 13, 2015 5:51 PM
To: Sian Willems; David Shepherd
Cc: Harvey Siemens; Lisa McMachen
Subject: RE: additional actions on ECN 15-532

Hello Sian/David!

I have updated the ECN per Sian's comments and I have updated the MDL for the 559 Bearpaws, as part of the 582 Utility kit, to include the revised clamp drawings. Please let me know if you need anything else from me.

Victoria

From: Sian Willems
Sent: Monday, April 13, 2015 2:58 PM
To: Victoria Seib
Cc: Harvey Siemens; Lisa McMachen
Subject: additional actions on ECN 15-532

Hi Victoria,

In reviewing this ECN, we looked at the kits that used the D4011 clamps and we saw that the changed to the clamps also affect several other kits (see attached). These will also have to go up a change number. Can you please give instructions to this effect?

Thanks,
SIAN WILLEMS
Customer Support Manager

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